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MPsrch_pp protein - protein database search, using Smith-Waterman algorithm

Tabular output not generated. Run on: Sat May 13 10:51:52 2000; MasPar time 4.08 Seconds 272.921 Million cell updates/sec

Title:

Description:
Perfect Score:
Sequence: >US-09-331-631-8 (33-79) from US09331631.pep (2 of 4) 372 1 GDDDPPKRYEDCRRRCEWDTRGQKEQQQCEESCKSQYGEKDQQQRHR 47

Scoring table: PAM 150 Gap 11

Searched: 188963 seqs, 23686106 residues

Post-processing: Minimum Match 0% Listing first 45 summaries

Database: a-geneseq35 1:geneseqp

Statistics: Mean 24.009; Variance 86.613; scale 0.277

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result

esult No.	Score	% Query Match	Length	DB	.ID		Pred. No.
1	372	100.0	590	_	W62832	Gossypium hirsutum ant	2.10e-31
2	181	48.	525	Ľ	28	cacao ani	3.74e-10
ω	181		566	Ь	R20181		. 74
4	134	36.	625	Н	W62830	Macadamia integrifolia	.24∈
C)	133.	35.	666	Н	W62829	integrifol	.11e-0
თ	132	35.	666	ب	W62828	Macadamia integrifolia	5.20e-05
7	83	22.	593	Н	W62835	Zea mays antimicrobial	Ω
œ	79	21.	28	_	W62841	Stenocarpus sinuatus a	
9	78	21.	434	ب	R96419	Peptide fragment of N-	9.50e+00
<u>1</u> 0	78	21.	434	ب	R96420	Peptide fragment of N-	9.50e+00
11	78	21.	1931	ட	R27649	D)	•
12	78	21.	2237	بر	R33550	Sequence of the alpha	9.50e+00
13	78	21.	2237	_	W63142	Human calcium channel	9.50e+00
14	78	21.	2237	ب	R71006	Human neuronal calcium	9.50e+00
15	78	21.	2337	Н	W37878		
16	78	21.0	2339	–	R71005	Human neuronal calcium	9.50e+00
17	78	21.	2339	۳	R33549	Sequence of the alpha	9.50e+00
18	78		2339	μ.	W63141	Human calcium channel	٠
19	75	20.	494	ب	W73071	B. breve essential reg	1.77e+01
20	73	19.	33	Н	W62836	Zea mays antimicrobial	2.67e+01
21	73	19.	35	<u>ب</u>	R21079	Antimicrobial maize pe	2.67e+01
22	73		204	ب	W53970	Myceliophthora thermop	2.67e+01
23	72	•	225	1	W04925	Cellulytic enzyme #1 o	3.27e+01

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RESU ID AC DT DE DE VW OS PN PD PP PP PP PP PP PP PP PP PP PP PP PP	RESULT OF THE SULT	
W62831 standard; W62831; W62831; Theobroma cacao antimicrobial pr Theobroma cacao. W09827805-A1. 02-JUL-1998. 22-DEC-1997; AUO 0-DEC-1996; AU- 02-DEC-1996; AU- 02-DEC-1997; AU- 03-DEC-1997; AU- 04-DEC-1996; AU- 05-DEC-1996; AU- 06-DEC-1996; AU- 07-DEC-1996; AU- 08-377279/3 Novel anti-micro useful for contr	W6283 W6283 W6283 27-OC: Gossyl Gossyl W0982 O2-DEC (RETR BOWEI USENIA CLAIM CLAIM CLAIM CLAIM CLAIM CLAIM CLAIM CLAIM Sequen Sequen st Loca tches 33	44444000000000000000000000000000000000
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07-JUN-1991; GB-013016.
11-JUN-1990; GB-013016.
(MRSC) MARS UK LTD.
Spencer ME, Hodge R, Deakin E)
WPI; 92-024418/03.
N-PSDB; Q20377.
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The sequence is be used to containals.
02-JUL-1998; AU0874.
22-DEC-1997; AU0874.
20-DEC-1996; AU-004275.
(RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
Bower NI, Goulter KC, Green JL, Manners JM, Mar
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The inventors claim a 67 kD and 31 kD T. cacao protein, and fragments, and encoding DNAs. The 47 kD and 31 kD proteins are derived from the 67 kD precursor. T. cacao protein cDNA was detected in a cDNA library prepared from inmature cocoa beans RNA using a probe based on the AA sequence of a CNBr peptide common to the 47 kD and 31 kD polypeptides. Homology searches revealed close homologies between the 67 kD polypeptide and the vicilins, which are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               W62830;
27-OCT-1998 (first entry)
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Sequence 566 AA;
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                                                                                                                                                                                                                                                  WO9827805-A1.
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19; Conservative
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uence is that of an antimicrobial protein which of to control microbial infestations in plants and
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13; Mismatches 11
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20-DEC-1996; A
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The sequence is that of an antimicrobial protein which the sequence is that of an antimicrobial protein which
                                                                                                                                                                                                                                                                                                                                                                                                                                                  W62828 standard; Protein; W62828; 27-OCT-1998 (first entry)
   (RETR-) COOP RES CENT
Bower NI, Goulter KC,
WPI; 98-377279/32.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel anti-microbial protein from e.g. Mac useful for controlling microbial infestati Claim 1; Page 39-41; 96pp; English. The sequence is that of an antimicrobial peused to control microbial infestations
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-DEC-1996; AU-004279
(RETR-) COOP RES CENT
Bower NI, Goulter KC,
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27-OCT-1998
                                                                                                                                                                                                                                                Protein
                                                                                                                                                                                                                                                                                                                                                                                                                               Macadamia integrifolia
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                                                                                                                                                                                                                                                                                                         Peptide
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22-DEC-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          antimicrobial
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       integrifolia antimicrobial protein bial protein; infestation; control.
                                                                                                                                                                                                                                                                                                                                                                 integrifolia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            625
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     666 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  36.0%;
larity 34.1%;
Conservative
                                                                                          AU0874.
AU-004275.
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AU-004275.
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                                                                                                                                                                                                           /note= "signal
29. 666
/note= "mature :
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29. .666
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                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
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                               TROPICAL Green JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TROPICAL I
                                                                                                                                                                                                                                                                                                                                                                                                                               antimicrobial protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       666
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Pred.
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Pred.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ₽
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                                                                                                                                                                                                              protein'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                peptide"
                                                           PLANT PATHOLOGY
                                                                                                                                                                                                                                                                         peptide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              133; DB 1;
No. 4.11e-05;
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No. 3.24e-05;
                                                                                                                                                                                                                                                                                                                                                                                                   control
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s in plants and
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plants or man
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Query Match
Best Local Similarity
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                    Matches
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                                                  be used animals.
                                                                                                                         02-JUL-1998.

22-DEC-1997; AU0874.

20-DEC-1996; AU-004275.

20-DEC-1996; AU-004275.

(RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
Bower NI, Goulter KC, Green JL, Manners JM, Mar
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel anti-microbial protein from e.g. Mauseful for controlling microbial infestat: Claim 1; Page 58-60; 96pp; English.
The sequence is that of an antimicrobial be used to control microbial infestations
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02-DEC-1997; AU0874.

20-DEC-1996; AU-004275.

(RETR-) COOP RES CENT TROPIC

BOWER NI, GOULLER KC, Green
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        useful for controlling microbial infestations of plants or Claim 1; Page 34-36; 96pp; English.
The sequence is that of an antimicrobial protein which can be used to control microbial infestations in plants and man
                                                                      Novel anti-microbial protein from e.g. Macadamia integruseful for controlling microbial infestations of plants Claim 1; Page 66; 96pp; English.
The sequence is that of an antimicrobial protein which
                                                                                                                                                                                                    Stenocarpus sinuatus. WO9827805-Al.
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WO9827805-A1.
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Novel anti-microbial protein from e.g. Macadamia integrifolia
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bower NI, Goulter WPI; 98-377279/32.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Zea mays antimicrobial protein. antimicrobial protein; infestation; control.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity 50.0%; 17; Conservative
                                                                                                                                                                                                                                                                                                                                  43
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                                                                                                                                                                                                                                                                                                                                  DCRRRCEWDTRGQKEQQQCEESCKSQYGEKDQQQRHR 79
                                                                                                                                                                                                                                                                                standard; Protein;
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                                      28
                                                                                                                                                                                                                                                                                                                                                                                                                                    593 AA;
                                                                                                                                                                                                                                                      (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                   Conservative
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                                                              microbial infestations
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 21.2%;
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 Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                               Score 83; DB 1; 1
Pred. No. 3.31e+00,
8; Mismatches 1:
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Pred. No. 5.20e-05;
7; Mismatches 7;
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 No.
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festations of plants or mammals
; DB 1; L
. 7.71e+00;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          protein which
s in plants and
                                                              'n
                                                                                                                                        Marcus JP;
                                                            plants
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           Length 28
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plants or man
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                                                                                                                                                                                                                                                                                                                                                                                              bind syntaxin or synaptosome associated protein, and then detecting the presence or absence of binding between the peptide and the candidate compound, thereby determining whether the candidate compound bound to the peptide. The method allows for the screening of compounds which inhibit the dooking of presynaptic vesicles to calcium channels and which therefore prevent neurotransmitter release by binding to a selected presynaptic calcium channel-like peptide. Isolated compounds may be used in the prevention of neuronal cell death that accompanies cerebral ischaemia. They may also be used in the treatment of stroke, cognitive deficit related to cardiac surgery and neuronal damage caused during acute epileptic episodes. This sequence corresponds to the LII-III loop (amino acids 710-1143 of the rat N-type calcium channel.
                                                                                                                                                                                                                                                                                                                                     Matches
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Best Local Similarity
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R96420;
11-NOV-1996 (first entry)
reptide fragment of N-type calcium channel.
Calcium channel; synapse; Msynaptic vesicle; presynaptic; syntaxin; synaptosome; neuronal cell death; ishaemia; stroke; epilepsy; cognitive deficit; inhibition; screening; detection; treatment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Screening for presynaptic calcium channel blockers - identifies compounds which inhibit docking of presynaptic vesicles to calcium channels, rather than compounds which inhibit calcium influx claim 7; Figure 11A; 53pp; English.

A method of screening for compounds that inhibit the interaction between presynaptic calcium channels and presynaptic vesicles compound under conditions sufficient to permit binding between the peptide and the candidate compound, where the peptide is able to be the compound to the candidate compound, where the peptide is able to be the compound the candidate compound.
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11-NOV-1996 (first entry)
Peptide fragment of N-type calcium channel.
Calcium channel; synapse; synaptic vesicle; presynaptic; syntaxin; synaptosome; neuronal cell death; ishaemia; stroke; epilepsy;
   WO9615149-A2
23-MAY-1996.
                                                                 Key
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R96419
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                                                   region
                                                                                  Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cognitive deficit; inhibition; screening; detection; treatment.
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                                                                                                                                                                                                                                                                                                 55 KARSVWEQRASQLRLQNLRASCEALYSEMDPEERLR 90
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                                                   Location/Qualifiers 717. .1143
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                                                                                                                                                                                                                                                                                                                                                 21.0%;
                                "Claimed peptide region."
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Pred. No. 9.
8; Mismato
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9.50e+00;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PT Screening for presynaptic calcium channel blockers - identifies prompounds which inhibit docking of presynaptic vesicles to calcium prochannels, rather than compounds which inhibit calcium influx prochannels, rather than compounds which inhibit calcium influx prochannels, rather than compounds that inhibit the interaction claim of screening for compounds that inhibit the interaction compounds that inhibit the interaction compounds that inhibit the interaction compound under conditions sufficient to permit binding between the compound under conditions sufficient to permit binding between the compound syntaxin or synaptosome associated protein, and then detecting the presence or absence of binding between the peptide and the compound bound to the peptide. The method allows for the screening compound bound to the peptide. The method allows for the screening conclusion channels and which therefore prevent neurotransmitter release by binding to a selected presynaptic calcium channel-like peptide. Collated compounds may be used in the prevention of neuronal cell content that accompanies cerebral ischaemia. They may also be used in the treatment of stroke, cognitive deficit related to cardiac surgery and neuronal damage caused during acute epileptic episodes. This sequence corresponds to the LII-III loop (amino acids 710-1143 so the rat N-type calcium channel.
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Best Local (
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                        Human neuroblastoma cell line, hippocampus, frontal and temporal cortex and visual cortex CDNA banks were screened with a probe containing carp skeletal muscle Ca-channel cDNA. The cDNA clone pR14-5 3.3.1 overlaps with clone p1247-14.1.1 (see Q29263). There were a number of differences between the two sequences including the deletion of an Ademosine residue at position 1013 of p1247-14.1.1 which leads to a stop codon at position 1028-1030; the deletion is thought to be a cloning artefact. The human neuronal calcium channel protein can be used for screening for Ca channel ligands (agonists or antagonists). See also Q29259-Q29275.
   Sequence
                                                                                                                                                                                                                                                                                                      Claim 2; Page 63-77; 101pp; German.
Human neuroblastoma cell line, hipp
                                                                                                                                                                                                                                                                                                                                                                 channel ligands
                                                                                                                                                                                                                                                                                                                                                                                       Cloned human neuronal calcium calcium flux assays to screen
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04-APR-1991;
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R27649;
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10-NOV-1994;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   z J, Rae P, Uni
92-333446/41.
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US-337602.
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Pred. No.
8; Misma
                                                                                                                                                                                                                                                                                                                                                                                          channel sub-types - u
for neurone-specific
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9.50e+00;
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    useful in
    c calcium

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Query Match

21.0%;

Score

78;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PT DNA encoding specific human calcium channel sub-units - used for pridentifying calcium channel agonists and antagonists and pridentifying calcium channel agonists and antagonists and pridentifying calcium channel appoints.

PT diagnosing Lambert Eaton syndrome pridiagnosing Lambert Eaton syndrome pridiagnosing Lambert Eaton syndrome pridents.

PS Disclosure; Page 120-128; 150pp; English.

CC Disclosure; Page 120-128; 150pp; English.

CC Chinan basal ganglia cDNA library with fragments of the rabbit color when basal ganglia cDNA library. Clones that hybridized to the basal ganglia color cell cDNA library. Clones that hybridized to the basal ganglia color color the color were used to screen an IMR32 cell cDNA library. The this way, a sufficient series of colors the positive clones that in turn were used to screen a color than hippocampus cDNA library. In this way, a sufficient series of colors to span nearly the entire length of the nucleotide sequence encoding the human alpha 1B subunit was obtained. PCR amplification color specific regions of the IMR32 cell alpha 1B mRNA yielded additional segments of the alpha 1B coding sequence. A full-length calpha 1B DNA clone was constructed by ligating portions of the calpha 1B-1 and alpha 1B-2 are derived by alternative splicing of the alpha 1B subunit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local S
Matches 1
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Matches
                                                  04-APR-1988;
04-APR-1988;
04-APR-1989;
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Brenner R, E
Williams ME;
                                                                                                                                                                                                                                                                        Human calcium channel alpha-1B-1 subunit, Alpha-1B subunit; human; calcium channel;
                                                                                                                                                                                                                                                                                                                                                                                   T 13
W63142 standard;
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                                                                                                                                      31-MAY-1995;
                                                                                                                                                                                            US5792846-A.
                                                                                                                                                                                                                     Homo sapiens.
                                                                                                                                                                                                                                               characterisation;
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N-PSDB; Q37818.
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10-APR-1992;
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R33550 standard;
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12; Conse
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; US-868354.
K INST BIOTEC
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llarity 33.3%;
Conservative
455543.

US-223305.

US-176899.

US-603751.

WO-U01408.

US-482384.
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SB, Feldman DH, Harpold
                                                                                                                                                                                                                                                 Lambert Eaton
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Pred. No. 9.50e+00;
8; Mismatches 15
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atches 15;
                                                                                                                                                                                                                                                                           assay; detection;
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CC The present sequence represents the alpha-1B subunit of a human calcium Cc channel. The DNA sequence encoding this protein is derived from CC channel. The proteins that allow controlled entry of calcium ions into Cc contraction. The recombinant subunit, when expressed with nucleic acids encoding the complete calcium channel, can be used in assays for the CC contraction and characterisation of compounds that modulate the channel. The DNA encoding the subunits can be alternatively spliced when CC transcribed, giving more than one form of the protein from the same transcript, each having slightly different properties. In addition, the creactivity of the alpha 1 subunit with IgG molecules from the serum of CC an individual with Lambert Eaton Syndrome (LES) can be used as a Sequence 2237 AA;
DNA encoding human calcium channel sub-unit(s) - used for developing prods. for studying calcium channels, e.g. for obtaining agonists and antagonists
Disclosure; Page 149-160; 285pp; English.

Combined the alpha 1B subunit was isolated by screening a planel alpha 1B subunit was isolated by screening a language of the positive clones was used to screen an IMR32 cell cDNA library with fragments of the rabbit and portion of one of the positive clones was used to screen an IMR32 cell cDNA library. Clones that hybridised to the basal ganglia probe were used to further screen an IMR32 cell cDNA.

Company to identify overlapping clones that in turn were used to screen a human hippocampus cDNA library. A series of clones to screen a human hippocampus cDNA library. A series of clones to screen a human hippocampus cDNA library. A sequence encoding the human alpha 1B subunit was obtd. Nucleic acid amplification of specific regions of the IMR32 cell alpha 1B mRNA yielded additional segments of the alpha 1B conding sequence. A full-length alpha 1B DNA clone was constructed by ligating portions of the partial cDNA clones. Nucleic acid amplification analysis of IMR32 cell RNA and genomic DNA using only primers corresp. to
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Matches 1
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11-AUG-1993; US-105536.

05-NOV-1993; US-149097.

05-ALK 1NST BIOTECHNOLOGY IND ASSOC.

Ellis SB, Gillespie A, Harpold MM, Mccc

Ellis SB, Gillespie A, Harpold MM, Mccc

MDI; 95-09090/12.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO9504822-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human neuronal calcium channel subunit alpha 1B-2. Calcium channel subunit; antagonist; agonist; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       R71006 standard; Protein; 2237
R71006;
01-DEC-1995 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        N-PSDB; V42686.
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Brenner R, Ellis SB, Feldman DH, Harpold MM, McCue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          30-NOV-1990; US-620250.
15-AUG-1991; US-745206.
31-MAY-1995; US-455543.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Lambert Eaton Syndrome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16-FEB-1995.
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Local Similarity 33.3%;
hes 12; Conservative
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Pred. No. 9.50e+00;
8; Mismatches 15
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                                                                                                                                                                                                                               I Lambert-Eaton syndrome

Disclosure; Fig 1; 89pp; English.

This polypeptide comprises the alB subunit of the human neuronal calcium channel. cDNA clones (see V29059-61) encoding the alB subunit, the a2d subunit (see W37879) and a b3 subunit (see W37880) have been isolated. These have been inserted into expression vectors and are stably expressed in transformed cell lines. The transformed cells show omega-concoxin GVIA binding activity, and omega-conctoxin GVIA toxin sensitive potassium-stimulated calcium upstake, indicating that the proteins expressed by the clones are capable of forming a functioning calcium channel. Nucleic acids encoding the 3 subunits, as well as vectors, host cells and methods of isolating nucleic acids encoding related calcium channels are disclosed. Fusion proteins incorporating the subunit proteins, antibodies, and assays for identifying agents that modulate calcium channel activity are also provided. Such agents can be used to treat certain central nervous system
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                                                                                                                                                           disorders by altering calcium channel activity. Methods of diagnosing diseases associated with particular calcium channels, such as Lambert-Easton syndrome, are disclosed. Sequence . 2337 AA;
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WPI; 98-207325/18.
N-PSDB; V29059.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human calcium channel alb, subunit.
Calcium channel; human; central nervous system disorder;
Lambert-Baton syndrome; diagnosis; therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DNA encoding human neuronal calcium channel subunit(s) - useful diagnosis of and treatment of central nervous system disorders,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11-SEP-1997;
16-SEP-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens. W09811131-A2.
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W37878;
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                                       763 KARSYWEQRASQLRLQNLRASCEALYSEMDPEERLR 798
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Local Similarity 33.3%;
hes 12; Conservative
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RRRCEWDTRG-QKEQQQCEESCKSQYGEKDQQQRHR
                                                                                                   Similarity
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US-713118
                                                                                Conservative
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33.3%;
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9.50e+00;
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